

IN THE CLAIMS

Please cancel Claims 9 and 15 without prejudice. Please amend the claims as shown below. This listing of claims will replace all prior versions and listings of claims in the Application.

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B1  
1. (Currently Amended) In an electronic device having a display and a processor, a method for providing contrast adjustment for said display comprising ~~the steps of:~~

5 a) receiving a contrast setting that is user defined via a software graphical user interface, wherein said graphical user interface comprises an interactive slide bar;

5 the value of  
b) generating signals representative of the ambient temperature of said display over time;

5 c) sampling said signals and converting said signals into current temperature values;

5 d) based on said contrast setting and said current temperature values, computing a contrast adjustment voltage signal for maintaining said contrast setting, wherein said steps c) and d) are performed by said processor; and

5 A 5 e) automatically adjusting contrast of said display by applying said contrast adjustment voltage signal to said display; ~~and.~~

2. (Currently Amended) The A method as described recited in Claim 1 further comprising:

~~the step of f) repeating steps said b) - d), for another contrast adjustment.~~

3. (Currently Amended) The A method as described recited in Claim 1 wherein said ~~step b)~~ comprises ~~the step of~~ using a temperature sensitive diode circuit to generate a voltage signal based on said ambient temperature.

4. (Currently Amended) The A method as described recited in Claim 3 wherein said ~~step b)~~ further ~~comprising the step of~~ comprises using an analog to digital converter to convert said voltage signal into a digital value.

5. (Currently Amended) The A method as described recited in Claim 1 wherein said ~~step d)~~ comprises ~~the step of~~ indexing a look-up table with said contrast setting and said current temperature values to compute said contrast adjustment voltage signal.

6. (Currently Amended) The A method as described recited in Claim 1 wherein said step d) comprises ~~the step of~~ inputting said contrast setting and said current temperature values to a formula to compute said contrast adjustment voltage signal.

7. (Currently Amended) The A method as described recited in Claim 1 wherein said display screen is comprises a liquid crystal display (LCD) display screen.

8. (Currently Amended) The A method as described recited in Claim 1 wherein said electronic device is comprises a portable hand-held computer system.

9. (Canceled)

10. (Currently Amended) An electronic device comprising:  
a processor coupled to a bus;  
a display coupled to said bus and responsive to a contrast adjustment signal;

a temperature sensing circuit for generating signals representative of the ambient temperature of said display over time, and

wherein said processor automatically compensates display contrast based on said ambient temperature by performing ~~the steps of~~ a process comprising:

a) receiving a contrast setting that is user defined via a software graphical user interface, wherein said graphical user interface comprises an interactive slide bar;

b) sampling said signals and converting said signals into current temperature values;

c) based on said contrast setting and said current temperature values, computing a contrast adjustment voltage signal for maintaining said contrast setting; and

d) automatically adjusting contrast of said display by applying said contrast adjustment voltage signal to said display.

11. (Currently Amended) The A device as described in Claim 10 wherein said temperature sensing circuit comprises:

a temperature sensitive diode circuit for generating a voltage signal based on said ambient temperature; and

an analog to digital converter to convert said voltage signal into a digital value.

12. (Currently Amended) The A device as described in Claim 10 wherein said ~~step c)~~ comprises ~~the step of~~ indexing a look-up table with said contrast setting and said current temperature values to compute said contrast adjustment voltage signal.

13. (Currently Amended) The A device as described in Claim 10 wherein said ~~step c)~~ comprises ~~the step of~~ inputting said contrast setting and said current temperature values to a formula to compute said contrast adjustment voltage signal.

14. (Currently Amended) The A device as described in Claim 10 wherein said display screen is a liquid crystal display (LCD) display screen and wherein said electronic device is a portable hand-held computer system.

15. (Canceled)

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16. (Currently Amended) A palm-top computer system comprising:

- a processor coupled to a bus;
- a flat panel display coupled to said bus and responsive to a contrast adjustment signal;
- a temperature sensitive diode circuit for generating signals representative of the ambient temperature of said display over time, and

wherein said processor automatically compensates display contrast based on said ambient temperature by performing ~~the steps of~~ a process comprising:

- a) receiving a contrast setting that is user defined via an interactive slide bar of a software graphical user interface displayed on said display;
- b) sampling said signals and converting said signals into current temperature values;
- c) based on said contrast setting and said current temperature values, computing a contrast adjustment voltage signal for maintaining said contrast setting; and
- d) automatically adjusting contrast of said display by applying said contrast adjustment voltage signal to said display.

17. (Currently Amended) The A computer system as described in Claim 16 further comprising an analog to digital converter to convert said signals from said temperature sensitive diode circuit into digital values.

18. (Currently Amended) The A computer system as described in Claim 16 wherein said ~~step c)~~ comprises ~~the step of~~ indexing a look-up table with said contrast setting and said current temperature values to compute said contrast adjustment voltage signal.

19. (Currently Amended) The A computer system as described in Claim 16 wherein said ~~step c)~~ comprises ~~the step of~~ inputting said contrast setting and said current temperature values to a formula to compute said contrast adjustment voltage signal.

20. (Currently Amended) The A computer system as described in Claim 16 wherein said display screen is comprises a liquid crystal display (LCD) display screen and wherein said electronic device is comprises a portable hand-held computer system.